

## CLAIMS

What is claimed is:

- Sub A 1. 1. A method of controlling use of a network resource, comprising the steps of:
- 2 accessing and navigating the network resource;
- 3 detecting request and response messages that are generated during the navigating;
- 4 creating and storing an access and navigation script based on the request and response
- 5 messages;
- 6 modifying the access and navigation script to result in creating and storing a
- 7 generalized script that can accept context specific request and response
- 8 information when used in an actual user navigation of the network resource.
- 1 2. A method as recited in Claim 1, further comprising the steps of creating and storing
- 2 meta-information representing the request and response messages; creating and
- 3 storing the access and navigation script based on the meta-information.
- 1 3. A method as recited in Claim 1, further comprising the steps of retrieving and
- 2 analyzing the stored meta-information, and creating and storing the access and
- 3 navigation script based on the meta-information.
- 1 4. A method as recited in Claim 1, further comprising the steps of creating one or more
- 2 application programs that are associated with the generalized script; delivering
- 3 services or information from the network resource through a user view server that is
- 4 configured to execute the application programs under control of the generalized script
- 5 and as a proxy for the network resource.
- 1 5. A method as recited in Claim 1, further comprising the steps of:
- 2 receiving a request from the client for use of a function or resource of the network
- 3 resource;
- 4 accessing the generalized script to obtain a request template corresponding to the
- 5 client request;

6 merging contemporaneous information that is specific to the client request into the  
7 request template to result in creating a context-specific request;  
8 communicating the context-specific request to the network resource.

1 6. A method as recited in Claim 5, further comprising the steps of:  
2 receiving a context-specific response from the network resource;  
3 accessing the generalized script to obtain a response template corresponding to the  
4 context-specific response;  
5 modifying the context-specific response according to the generalized script;  
6 communicating the modified response to the client.

1 7. A method as recited in Claim 5, further comprising the steps of:  
2 receiving a context-specific response from the network resource;  
3 accessing the generalized script to obtain a response template corresponding to the  
4 context-specific response;  
5 modifying the context-specific response according to the generalized script;  
6 communicating the modified response to a user view server for subsequent  
7 communication to the client, whereby the client receives a view of the network  
8 resource that is controlled according to the generalized script.

1 8. A method of controlling use of a network resource, comprising the steps of:  
2 creating and storing an access and navigation script based on requests and responses  
3 that are generated during a session of navigating the network resource;  
4 modifying the access and navigation script to result in creating and storing a  
5 generalized script that can accept context specific request and response  
6 information;  
7 receiving a request from the client for use of a function or resource of the network  
8 resource;  
9 accessing the generalized script to obtain a request template corresponding to the  
10 client request;

11 merging contemporaneous information that is specific to the client request into the  
12 request template to result in creating a context-specific request;  
13 communicating the context-specific request to the network resource.

1 9. A method as recited in Claim 8, further comprising the steps of:  
2 receiving a context-specific response from the network resource;  
3 accessing the generalized script to obtain a response template corresponding to the  
4 context-specific response;  
5 modifying the context-specific response according to the generalized script;  
6 communicating the modified response to the client.

1 10. A method as recited in Claim 8, further comprising the steps of:  
2 receiving a context-specific response from the network resource;  
3 accessing the generalized script to obtain a response template corresponding to the  
4 context-specific response;  
5 modifying the context-specific response according to the generalized script;  
6 communicating the modified response to a user view server for subsequent  
7 communication to the client, whereby the client receives a view of the network  
8 resource that is controlled according to the generalized script.

1 11. A method of controlling use of a Web site, comprising the steps of:  
2 accessing and navigating the Web site using a browser associated with a network  
3 administrator or other authorized party;  
4 detecting request and response messages that are generated by the Web site and the  
5 browser during the navigating;  
6 creating and storing an access and navigation script based on the request and response  
7 messages;  
8 modifying the access and navigation script to result in creating and storing a  
9 generalized script that can accept context specific request and response  
10 information when used in an actual user navigation of the Web site.



3 that are associated with the generalized script; delivering services or information from  
4 the network resource through a user view server that is configured to execute the  
5 application programs under control of the generalized script and as a proxy for the  
6 network resource.

1 16. Apparatus as recited in Claim 12, wherein the instructions further comprise  
2 instructions for carrying out the steps of:  
3 receiving a request from the client for use of a function or resource of the network  
4 resource;  
5 accessing the generalized script to obtain a request template corresponding to the  
6 client request;  
7 merging contemporaneous information that is specific to the client request into the  
8 request template to result in creating a context-specific request;  
9 communicating the context-specific request to the network resource.

1 17. Apparatus as recited in Claim 16, wherein the instructions further comprise  
2 instructions for carrying out the steps of:  
3 receiving a context-specific response from the network resource;  
4 accessing the generalized script to obtain a response template corresponding to the  
5 context-specific response;  
6 modifying the context-specific response according to the generalized script;  
7 communicating the modified response to the client.

1 18. Apparatus as recited in Claim 16, wherein the instructions further comprise  
2 instructions for carrying out the steps of:  
3 receiving a context-specific response from the network resource;  
4 accessing the generalized script to obtain a response template corresponding to the  
5 context-specific response;  
6 modifying the context-specific response according to the generalized script;

7 communicating the modified response to a user view server for subsequent  
8 communication to the client, whereby the client receives a view of the network  
9 resource that is controlled according to the generalized script.

- 1 19. Apparatus for controlling use of a network resource, comprising:  
2 a navigation capture server that can access a network resource and that is coupled to a  
3 data store;  
4 a user view server coupled to the navigation capture server and to the data store;  
5 instructions stored in association with the navigation capture server and user view  
6 server which, when executed by one or more processors of the navigation  
7 capture server or user view server, cause the one or more processors to carry  
8 out the steps of:  
9 creating and storing an access and navigation script based on requests and responses  
10 that are generated during a session of navigating the network resource;  
11 modifying the access and navigation script to result in creating and storing a  
12 generalized script that can accept context specific request and response  
13 information;  
14 receiving a request from the client for use of a function or resource of the network  
15 resource;  
16 accessing the generalized script to obtain a request template corresponding to the  
17 client request;  
18 merging contemporaneous information that is specific to the client request into the  
19 request template to result in creating a context-specific request;  
20 communicating the context-specific request to the network resource.

- 1 20. A computer-readable medium carrying one or more sequences of instructions for  
2 controlling use of a network resource, wherein execution of the one or more  
3 sequences of instructions by one or more processors causes the one or more  
4 processors to perform the steps of:  
5 accessing and navigating the network resource;  
6 detecting request and response messages that are generated during the navigating;

7 creating and storing an access and navigation script based on the request and response  
8 messages;  
9 modifying the access and navigation script to result in creating and storing a  
10 generalized script that can accept context specific request and response  
11 information when used in an actual user navigation of the network resource.